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## TRANSMITTAL FORM

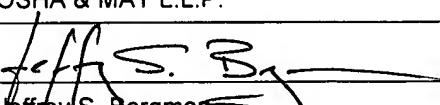
(to be used for all correspondence after initial filing)

		Application Number	10/664,573-Conf. #4592
		Filing Date	September 17, 2003
		First Named Inventor	Robert F. Schlemmer
		Art Unit	N/A
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission		Attorney Docket Number	05542/060002

### ENCLOSURES (Check all that apply)

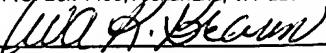
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Notification of Typographical Error Return post card
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<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	OSHA & MAY L.L.P.		
Signature			
Printed name	Jeffrey S. Bergman		
Date	March 8, 2005	Reg. No.	45,925

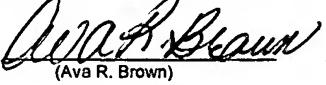
I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

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(Ava R. Brown)

Docket No.: 05542/060002  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

  
In re Patent Application of:  
Robert F. Schlemmer

Application No.: 10/664,573

Confirmation No.: 4592

Filed: September 17, 2003

Art Unit: 3672

For: MEMBRANE FORMING IN-SITU  
POLYMERIZATION FOR WATER BASED  
DRILLING FLUID

Examiner: Not Yet Assigned

**NOTIFICATION OF TYPOGRAPHICAL ERROR**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In the declaration ("Declaration") filed on January 7, 2004, a typographical error appears under the section "I hereby claim foreign priority under Title 35, United States Code, Section 119(e) of any provisional application(s) for patent..." Specifically, the Declaration should state that priority is claimed from Prior Provisional Application:

60/411,317

09/17/2002

(Number)

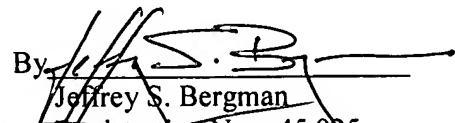
(Day/Month/Year Filed)

Evidence of this typographical error may be seen on the first page of the specification as filed. A copy is attached hereto. Applicant hereby notifies the Patent Office of this typographical error. Applicant believes a supplemental declaration is not required. Applicant encloses the replacement sheet including the claim for priority for the previously filed Declaration. Additionally, Applicant hereby requests a corrected Official Filing Receipt showing the correct priority application serial number.

Applicant believes no petition is necessary with this notification. If this belief is incorrect, please consider this paper as such. If other issues arise, do not hesitate to contact the undersigned or his associates at the telephone number listed below. No fee is believed due. However, please apply any charges not covered, or any credits, to Deposit Account 50-0591 (Reference Number 05542/060002).

Dated: March 8, 2005

Respectfully submitted,

By   
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## 1 MEMBRANE FORMING IN-SITU POLYMERIZATION FOR WATER BASED DRILLING

### 2 FLUIDS

3 This application claims priority to U.S. Provisional Application No. 60/411,317  
4 filed September 17, 2002 and to U.S. Provisional Application No. 60/ 426,726, filed  
5 November 15, 2002 the contents of both being incorporated herein by reference.

### 6 BACKGROUND

7 In rotary drilling of subterranean wells numerous functions and characteristics are  
8 expected of a drilling fluid. A drilling fluid should circulate throughout the well and  
9 carry cuttings from beneath the bit, transport the cuttings up the annulus, and allow their  
10 separation at the surface. At the same time, the drilling fluid is expected to cool and  
11 clean the drill bit, reduce friction between the drill string and the sides of the hole, and  
12 maintain stability in the borehole's uncased sections. The drilling fluid should also form  
13 a thin, low permeability filter cake that seals openings in formations penetrated by the bit  
14 and act to reduce the unwanted influx of formation fluids from permeable rocks.

15 Drilling fluids are typically classified according to their base material. In oil base  
16 fluids, solid particles are suspended in oil, and water or brine may be emulsified with the  
17 oil. The oil is typically the continuous phase. In water base fluids, solid particles are  
18 suspended in water or brine, and oil may be emulsified in the water. The water is  
19 typically the continuous phase. Pneumatic fluids are a third class of drilling fluids in  
20 which a high velocity stream of air or natural gas removes drill cuttings.

21 Three types of solids are usually found in water base drilling fluids: 1) clays and  
22 organic colloids added to provide necessary viscosity and filtration properties; 2) heavy  
23 minerals whose function is to increase the drilling fluid's density; and 3) formation solids  
24 that become dispersed in the drilling fluid during the drilling operation.

25 The formation solids that become dispersed in a drilling fluid are typically the  
26 cuttings produced by the drill bit's action and the solids produced by borehole instability.  
27 Where the formation solids are clay minerals that swell, the presence of either type of  
28 formation solids in the drilling fluid can greatly increase drilling time and costs.

29 Clay minerals are generally crystalline in nature. The structure of a clay's crystals  
30 determines its properties. Typically, clays have a flaky, mica-type structure. Clay flakes

